



V100 Vision Screener

Protecting Vision by Detecting Abnormality

V100 is a portable diagnostic device to quickly detect vision abnormalities on patients aged from 6 months to adults. 😊

Quick Detection

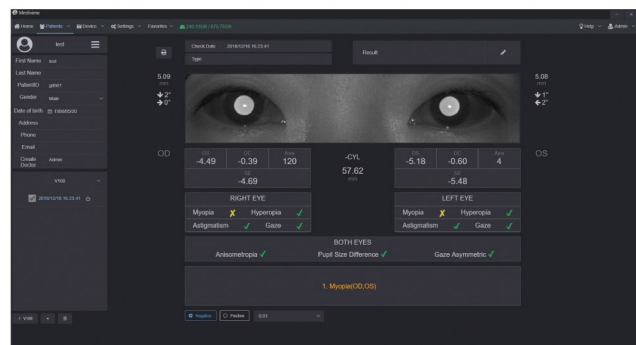
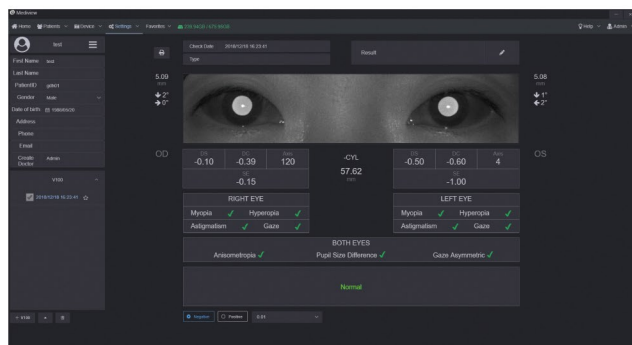


- Myopia (nearsightedness)
- Anisometropia (unequal refractive power)
- Hyperopia (farsightedness)
- Strabismus (eye misalignment)
- Astigmatism (blurred vision)
- Anisocoria (unequal pupil size)

Patient Management Software

Mediview is the patient management system to help clinicians manage patient records and images and data collected by devices developed by MediWorks.

The testing result delivered by V100 can be quickly transferred to Mediview via wifi connection.



Print Report Example

Report

Name: gbbh Age: 50 Patient ID: 11112 Diagnostic Type:

4.48 mm 4.44 mm
+1 +0 +1 +0

OD DS DC Axis -CYL OS DS DC Axis
-2.50 -0.25 88 64.73 mm -4.00 -0.50 148
SE -2.75 SE -4.25

RIGHT EYE LEFT EYE
Myopia Hyperopia Myopia Hyperopia
Astigmatism Gaze Astigmatism Gaze

BOTH EYES
Anisometropia Pupil Size Difference Gaze Asymmetric

Diagnostic result comparison table	
Name	Age (months) range and comparison (n=12 12-36 36-72 72-240 240)
Anisometropia	1.5 1.0 1.0 1.0 1.0
Astigmatism	2.25 2.0 1.75 1.5 1.5
Myopia	2 2 1.25 1 0.75
Hyperopia	3.5 3.0 2.5 2.5 1.5
Pupil Radius Difference	1 1 1 1 1
Fixation(alt)	8 8 8 8 8
Fixation(lead)	5 5 5 5 5
Fixation(temp)	8 8 8 8 8
Fixation(asymmetric)	8 8 8 8 8

Result:

Monocular Myopia, Hyperopia, Astigmatism, Gaze Binocular Anisometropia, Strabismus, Anisocoria

Wi-Fi data transmission

Print via Bluetooth Printer



V100 can screen both eyes at once from 1 meter away.

Once the pupils are in focus, V100 will start to calculate automatically and deliver results within 1 second.

Specifications

Measuring Mode	Binocular/Monocular		
Measuring Time	1s		
Automated Distance Sensing	100cm±5cm		
SPH	Range:-9D~+7D Resolution:0.25D/0.01D Accuracy:±0.5D	CYL	Range:0D~3D Resolution:0.25D/0.01D Accuracy:±0.5D
Axis	Range:0~180° Resolution:1° Accuracy:±5°		
Pupil Size	Range:4.0~9.0mm Accuracy:±0.1mm		
Pupil Distance	Range:30~80mm Accuracy:±1mm		
Fixation Target	Sound and flashing light		
Working Time	5 hours		
Data Transfer	WIFI		
Screen	4.3" full LCD touch screen		
Charging Port	USB		
Power Supply	18650 Li-ion battery×2 , Voltage:3.7V , Current≥ 3400mAh		
Targeted Patient	from 6-months infant to adults		
Weight	800g		
Power Adaptor	Power Supply:~100-240V, 50/60Hz, 35VA Output:5V, 2A		

Features



Wireless data transfer
by wifi



Interesting sounds
to attract children



Super user-friendly with
minimal user training required



Capable of dealing with
mass screening events



Quickly deliver testing
results in 1 second



Automated screening provides
thorough, objective, and easy-to-
understand results



Flip screen facilitate convenient
vision measuring



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